		Exploring Aero					
2004 Mathematics							
Grade Level Expectations Louisiana Mathematics							
Grade 5	CS 						
Activity/Lesson	State	Standards					
Activity/Lesson	State	Statituarus	Compare positive fractions using number sense,				
The Resource Center	LA	MA.5.4					
The Resource Center	LA	IVIA.3.4	symbols (i.e., <, =, >), and number lines Compare the relative sizes of common units for				
			time, temperature, weight, mass, and length in				
Science of Flight	LA	MA.5.19	real-life situations				
Science of Flight	LA	IVIA.3.19	Identify appropriate tools and units with which to				
Science of Elight	1. 4	MA.5.20	measure time, mass, weight, temperature, and				
Science of Flight	LA	IVIA.5.2U	length Convert between units of measurement for				
Caianaa of Eliabt		NA 5 00	length, weight, and time, in U.S. and metric,				
Science of Flight	LA	MA.5.23	within the same system				
Integrating with		NA	Compare positive fractions using number sense,				
Aeronautics	LA	MA.5.4	symbols (i.e., <, =, >), and number lines				
landa amandina ar coribla			Select, sequence, and use appropriate				
Integrating with			operations to solve multi-step word problems				
Aeronautics	LA	MA.5.7	with whole numbers				
			Explain concepts of ratios and equivalent ratios				
Integrating with			using models and pictures in real-life problems				
Aeronautics	LA	MA.5.11	(e.g., understand that 2/3 means 2 divided by 3)				
Integrating with			Write a number sentence from a given physical				
Aeronautics	LA	MA.5.13	model of an equation (e.g., balance scale)				
			Distinguish among the processes of counting,				
			calculating, and measuring and determine which				
Integrating with			is the most appropriate strategy for a given				
Aeronautics	LA	MA.5.17	situation				
			Use various types of charts and graphs,				
			including double bar graphs, to organize,				
Integrating with			display, and interpret data and discuss patterns				
Aeronautics	LA	MA.5.28	verbally and in writing				
			Use various types of charts and graphs,				
			including double bar graphs, to organize,				
Scientific Method(124-			display, and interpret data and discuss patterns				
144)	LA	MA.5.28	verbally and in writing				
Scientific Method(124-			Organize and display data using spreadsheets,				
144)	LA	MA.5.30	with technology				
		Exploring Aero					
		2004 Mathen	natics				
		Grade Level Exp	ectations				
Louisiana Mathematic	cs						
Grade 6							
Activity/Lesson	State	Standards					
			Compare positive fractions, decimals, and				
			positive and negative integers using symbols				
The Resource Center	LA	MA.6.6	(i.e., <, =, >) and number lines				

			Compare positive fractions, decimals, and
Integrating with			positive and negative integers using symbols
Aeronautics	LA	MA.6.6	(i.e., <, =, >) and number lines
Actoriautics	LA	IVIA.U.U	Use models and pictures to explain concepts or
Integrating with			solve problems involving ratio, proportion, and
Aeronautics	LA	MA.6.13	percent with whole numbers
Integrating with	LA	IVIA.0.13	Match algebraic equations and expressions with
Aeronautics	LA	MA.6.15	verbal statements and vice versa
Actoriautics	LA	IVIA.0. 13	Collect, organize, label, display, and interpret
			data in frequency tables, stem-and-leaf plots,
Integrating with			and scatter plots and discuss patterns in the
Aeronautics	LA	MA.6.29	data verbally and in writing
Actoriautics	LA	IVIA.0.29	Collect, organize, label, display, and interpret
			data in frequency tables, stem-and-leaf plots,
Scientific Method(124-			and scatter plots and discuss patterns in the
144)	LA	MA.6.29	data verbally and in writing
144)	LA	IVIA.0.29	data verbany and in writing
		⊔ Exploring Aerona	utics
		2004 Mathemat	
	Gı	rade Level Exped	·
Louisiana Mathemati		Lade Level Expec	
Grade 7			
Activity/Lesson	State	Standards	
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			and integers using symbols (i.e., <, less than or
			equal to, =, greater than or equal to, >) and
The Resource Center	LA	MA.7.2	position on a number line
THE RESERVE CONTROL			Compare and order measurements within and
			between the U.S. and metric systems in terms of
			common reference points (e.g., weight/mass
Science of Flight	LA	MA.7.21	and area)
<u> </u>			Compare positive fractions, decimals, percents,
			and integers using symbols (i.e., <, less than or
Integrating with			equal to, =, greater than or equal to, >) and
Aeronautics	LA	MA.7.2	position on a number line
			Select and discuss appropriate operations and
			solve single- and multi-step, real-life problems
			involving positive fractions, percents, mixed
Integrating with			numbers, decimals, and positive and negative
Aeronautics	LA	MA.7.7	integers
Integrating with			Write a real-life meaning of a simple algebraic
Aeronautics	LA	MA.7.14	equation or inequality, and vice versa
Integrating with			Solve one- and two-step equations and
Aeronautics	LA	MA.7.16	inequalities (with one variable) in multiple ways
			Compare and order measurements within and
			between the U.S. and metric systems in terms of
Integrating with			common reference points (e.g., weight/mass
Aeronautics	LA	MA.7.21	and area)
			Analyze and interpret circle graphs, and
Scientific Method(124-			determine when a circle graph is the most
144)	LA	MA.7.31	appropriate type of graph to use
Scientific Method(124-			
30161111110 ME11100(124-			Describe data in terms of patterns, clustered

Scientific Method(124-			Analyze discrete and continuous data in real-life			
144)	LA	MA.7.33	applications			
		Evaluring Apre	handing.			
		Exploring Aero 2004 Mathen				
Grade Level Expectations						
Louisiana Mathematic	cs .	J. duo Lovo. Lxp				
Grade 8						
Activity/Lesson	State	Standards				
The Resource Center	LA	MA.8.1	Compare rational numbers using symbols (i.e., <, less than or equal to, =, greater than or equal to, >) and position on a number line			
Science of Flight	LA	MA.8.37	Collect and organize data using box-and- whisker plots and use the plots to interpret quartiles and range			
Integrating with Aeronautics	LA	MA.8.1	Compare rational numbers using symbols (i.e., <, less than or equal to, =, greater than or equal to, >) and position on a number line			
Integrating with Aeronautics	LA	MA.8.3	Estimate the answer to an operation involving rational numbers based on the original numbers			
Integrating with Aeronautics	LA	MA.8.11	Translate real-life situations that can be modeled by linear or exponential relationships to algebraic expressions, equations, and inequalities			
Integrating with Aeronautics	LA	MA.8.13	Switch between functions represented as tables, equations, graphs, and verbal representations, with and without technology			
Integrating with Aeronautics	LA	MA.8.31	Use area to justify the Pythagorean theorem and apply the Pythagorean theorem and its converse in real-life problems			
Scientific Method(124-144)	LA	MA.8.34	Determine what kind of data display is appropriate for a given situation			
Scientific Method(124- 144)	LA	MA.8.36	Organize and display data using circle graphs Collect and organize data using box-and-			
Scientific Method(124-144)	LA	MA.8.37	whisker plots and use the plots to interpret quartiles and range			